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OM nucleic - nucleic search, using sw model

Run on: August 28, 2002, 07:08:00 ; Search time 51.7 Seconds  
(without alignments)  
7369.005 Million cell updates/sec

Title: US-08-711-417C-165  
Perfect score: 1551  
Sequence: 1 ATGGATGCTGACGAGGTCA.....ACCGCTTCACATGAGCTAA 1551

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 383533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_NA.\*  
1: /cgn2\_6/ptodata/2/ina/5A\_COMB.seq.\*  
2: /cgn2\_6/ptodata/2/ina/5B\_COMB.seq.\*  
3: /cgn2\_6/ptodata/2/ina/6A\_COMB.seq.\*  
4: /cgn2\_6/ptodata/2/ina/6B\_COMB.seq.\*  
5: /cgn2\_6/ptodata/2/ina/PCTUS\_COMB.seq.\*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1551	100.0	1551	4	US-08-711-417C-165
2	1386	89.4	1386	1	US-08-465-590-3
3	1386	89.4	1386	4	US-08-283-300A-2
4	1386	89.4	1386	4	US-08-711-417C-3
5	1386	89.4	1386	5	PCT-US95-09345-2
6	1382.4	89.1	1611	5	PCT-US93-08743-3
7	1174.8	75.7	2049	1	US-08-465-590-5
8	1174.8	75.7	2049	4	US-08-283-300A-4
9	1174.8	75.7	2049	4	US-08-711-417C-5
10	1174.8	75.7	2049	5	PCT-US95-09345-4
11	868	56.0	1004	4	US-08-465-590-8
12	868	56.0	1004	4	US-08-283-300A-7
13	868	56.0	1004	4	US-08-711-417C-8
14	868	56.0	1004	5	PCT-US95-09345-7
15	813.2	52.4	1788	1	US-08-465-590-2
16	813.2	52.4	1788	4	US-08-283-300A-1
17	813.2	52.4	1788	4	US-08-711-417C-2
18	813.2	52.4	1788	5	PCT-US93-08743-2
19	813.2	52.4	1788	5	PCT-US95-09345-1
20	689.4	44.4	1296	1	US-08-465-590-4
21	689.4	44.4	1296	4	US-08-283-300A-3
22	689.4	44.4	1296	4	US-08-711-417C-4
23	689.4	44.4	1296	5	PCT-US95-09345-3
24	577	37.2	1170	1	US-08-465-590-6
25	577	37.2	1170	4	US-08-283-300A-5
26	577	37.2	1170	4	US-08-711-417C-6
27	577	37.2	1170	5	PCT-US95-09345-5

28	458.2	29.5	1128	1	US-08-465-590-7
29	458.2	29.5	1128	4	US-08-283-300A-6
30	458.2	29.5	1128	4	US-08-711-417C-7
31	458.2	29.5	1128	5	PCT-US95-09345-6
32	81	5.2	3777	3	US-09-121-321-15
33	81	5.2	3777	3	US-09-933-803A-15
34	74.4	4.8	3536	3	US-09-418-640-3
35	74.4	4.8	3720	1	US-08-074-967-1
36	74.4	4.8	3720	2	US-08-553-541B-1
37	74.4	4.8	3720	4	US-09-288-202-1
38	74.4	4.8	3720	5	PCT-US94-06669-1
39	73.4	4.7	563	4	US-09-385-982-433
40	71.6	4.6	1892	2	US-08-933-750C-66
41	71.6	4.6	1892	3	US-09-234-613-66
42	71.6	4.6	2680	4	US-09-063-035-1
43	70	4.5	1309	2	US-08-933-750C-63
44	70	4.5	1309	3	US-09-234-613-63
45	65.8	4.2	2031	2	US-08-933-750C-53

## ALIGNMENTS

RESULT 1  
US-08-711-417C-165  
; Sequence 165, Application US/08711417C  
; Patent No. 6228611  
; GENERAL INFORMATION:  
APPLICANT: Georgopoulos, Katia A.  
TITLE OF INVENTION: IKAROS: A T CELL PATHWAY REGULATORY GENE  
NUMBER OF SEQUENCES: 202  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson P.C.  
STREET: 225 Franklin Street  
CITY: Boston  
STATE: MA  
ZIP: 02110-2804  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows 95  
SOFTWARE: FastSEQ for Windows Version 2.0b  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/711,417C  
FILING DATE: 05-Sep-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/238,212  
FILING DATE: 02-MAY-1994  
APPLICATION NUMBER: 08/121,438  
FILING DATE: 14-SEP-1993  
APPLICATION NUMBER: 07/946,233  
FILING DATE: 14-SEP-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Mvers, Louis P.  
REGISTRATION NUMBER: 35,965  
REFERENCE/DOCKET NUMBER: 10287/007001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617/542-5070  
TELEFAX: 617/542-8906  
TELEX: 200154  
INFORMATION FOR SEQ ID NO: 165:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1551 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: Coding Sequence  
LOCATION: 1...1548  
SEQUENCE DESCRIPTION: SEQ ID NO: 165:

US-08-711-417C-165

QY	1021	CCGGTCATCAGCCCGATGTTACCAAGCTGCAACAGAGCGCTCGAGGGGACACCCCGGCTCCAAC	1080
Db	1021	CGGGTCATCAGCCCGATGTTACCAAGCTGCAACAGAGCGCTCGAGGGGACACCCCGGCTCCAAC	1080
	1081	CACCTCGGCCAGGACAGCGCGGTGGAGTACCTGCTGCTGCTCTCCAAGGCCAAGTTGGTG	1140
Db	1081	CACCTCGGCCAGGACAGCGCGGTGGAGTACCTGCTGCTGCTCTCCAAGGCCAAGTTGGTG	1140
QY	1141	CCCTCGGAGCGGAGCGTCCCGCAGCAACAGTAGTGCCAAGACTCCAAGACACCGAGAGC	1200
Db	1141	CCCTCGGAGCGGAGCGTCCCGCAGCAACAGTAGTGCCAAGACTCCAAGACACCGAGAGC	1200
QY	1201	AACAACGAGGAGCAGCGGAGCGGCTTATCTACTGTACCAACACACATCGGCCCGACGCGGG	1260
Db	1201	AACAACGAGGAGCAGCGGAGCGGCTTATCTACTGTACCAACACACATCGGCCCGACGCGGG	1260
QY	1261	CACGCGGTGCTGCTCAAGGAGGAGCAGCCGCGCTACGACCTGTGTGCGCGCGGCTCCGAG	1320
Db	1261	CAACGGGTGTGCTCAAGGAGGAGCAGCCGCGCTACGACCTGTGTGCGCGCGGCTCCGAG	1320
QY	1321	AACTCGAGGACGCGCTCGCGTGTGTGACACACCGGGGAGCAGATGAAGTGTACAAG	1380
Db	1321	AACTCGAGGAGCGCTCGCGTGTGTGACACACCGGGGAGCAGATGAAGTGTACAAG	1380
QY	1381	TGCGAACACTGCGCGGTGCTTCTTCCTGGATACAGTCATGTACACCATCCACATGGGCTGC	1440
Db	1381	TGCGAACACTGCGCGGTGCTTCTTCCTGGATACAGTCATGTACACCATCCACATGGGCTGC	1440
QY	1441	CACGGCTTCGTCATCCTTTTGAGTGCAACATGTGCGGTACCAACAGCAGGACCGGTAC	1500
Db	1441	CACGGCTTCGTCATCCTTTTGAGTGCAACATGTGCGGTACCAACAGCAGGACCGGTAC	1500
QY	1501	GAGTTCCTGTCGCACATAACGCGAGGGAGCACCGCTTCCACATCAGCTAA	1551
Db	1501	GAGTTCCTGTCGCACATAACGCGAGGGAGCACCGCTTCCACATCAGCTAA	1551

2  
 RESULT  
 US-08-465-590-3  
 ; Sequence 3, Application US/08465590  
 Patent No. 5824770  
 GENERAL INFORMATION:  
 APPLICANT: Georgopoulos, Katia A.  
 TITLE OF INVENTION: IKAROS: A T CELL PATHWAY REGULATORY GENE  
 NUMBER OF SEQUENCES: 164  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: LAHIVE & COCKFIELD  
 STREET: 60 STATE STREET, Suite 510  
 CITY: BOSTON  
 STATE: MASSACHUSETTS  
 COUNTRY: USA  
 ZIP: 02109  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Ascii (text)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/465,590  
 FILING DATE: 05-JUN-1995  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/238,212  
 FILING DATE: 02-MAY-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/121,438  
 FILING DATE: 14-SEP-1993  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/946,233  
 FILING DATE: 14-SEP-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: MYERS, PAUL L.  
 REGISTRATION NUMBER: 35,695

Query Match	100.0%	Score 1551:	DB 4:	Length 1551:
Best Local Similarity	100.0%	Pred. No. 0:		
Matches 1551:	Conservative	0:	Mismatches	0:
			Indels	Gaps
QY	1	ATGGATGCTGACGAGGGTCAAGACATGCTTTCTCATCAGGAGGAAAGCCCCCTGTA	60	
DB	1	ATGGATGCTGACGAGGGTCAAGACATGCTTTCTCATCAGGAGGAAAGCCCCCTGTA	60	
QY	61	AGCGATATCCAGATGAGGGCGATGAGCCCATGCGATCCCGGAGGACCTCTCCACCA	120	
DB	61	AGCGATATCCAGATGAGGGCGATGAGCCCATGCGATCCCGGAGGACCTCTCCACCA	120	
QY	121	TCGGGAGGACAGCAAGCTCCAAGAGTGACAGAGTCGTGGCCAGTAAATGTTAAAGTAGAG	180	
DB	121	TCGGGAGGACAGCAAGCTCCAAGAGTGACAGAGTCGTGGCCAGTAAATGTTAAAGTAGAG	180	
QY	181	ACTCAGAGTGAACAGAGATGGCGTGCTGTGAATGAATGGGGAAGAATGTGCGGAG	240	
DB	181	ACTCAGAGTGAACAGAGATGGCGTGCTGTGAATGAATGGGGAAGAATGTGCGGAG	240	
QY	241	GATTTACGAATGCTTGATGCCCTGGGAGAGAAATGAATGGCTCCACAGGACCAAGGC	300	
DB	241	GATTTACGAATGCTTGATGCCCTGGGAGAGAAATGAATGGCTCCACAGGACCAAGGC	300	
QY	301	AGCTCGCTTTGTCGGGAGTTGAGGCAATTCGACTTCCTTAACGGAAAACTAAAGTGTGAT	360	
DB	301	AGCTCGCTTTGTCGGGAGTTGAGGCAATTCGACTTCCTTAACGGAAAACTAAAGTGTGAT	360	
QY	361	ATCTGTGGGATCATTTGCATTCGGGCCCAATGTCTCATGTTTCACAAAAGAGCCACACT	420	
DB	361	ATCTGTGGGATCATTTGCATTCGGGCCCAATGTCTCATGTTTCACAAAAGAGCCACACT	420	
QY	421	GGAGAACGGCCCTTCACAGTGCATCAGTCGGGGCCCTCATTCACCAGAAAGGCCACCTG	480	
DB	421	GGAGAACGGCCCTTCACAGTGCATCAGTCGGGGCCCTCATTCACCAGAAAGGCCACCTG	480	
QY	481	CTCCGGGCACATCAAGCTGCATTCGGGGAGAGCCCTTCAAATGCCACCTCTGCAACTAC	540	
DB	481	CTCCGGGCACATCAAGCTGCATTCGGGGAGAGCCCTTCAAATGCCACCTCTGCAACTAC	540	
QY	541	GCCTGCCGCGAGGAGCGCCCTCACTGGCCAAGTGGAGGACGACTCGGTGGTAAACCT	600	
DB	541	GCCTGCCGCGAGGAGCGCCCTCACTGGCCAAGTGGAGGACGACTCGGTGGTAAACCT	600	
QY	601	CACAAATGTGGATATTTGTCGGCGAGCTATAACAGAGGAGCTCTTTAGAGGAACATAAA	660	
DB	601	CACAAATGTGGATATTTGTCGGCGAGCTATAACAGAGGAGCTCTTTAGAGGAACATAAA	660	
QY	661	GAGCGCTGCCAAGCTACTTTGAAAAGCATGGGCCCTTCGGGACACTGTACCCAGTCAATT	720	
DB	661	GAGCGCTGCCAAGCTACTTTGAAAAGCATGGGCCCTTCGGGACACTGTACCCAGTCAATT	720	
QY	721	AAAGAGAAACTAAGCACAGTGAATGGCAGAGACCTGTGCAAGATAGGATCAGAGAGA	780	
DB	721	AAAGAGAAACTAAGCACAGTGAATGGCAGAGACCTGTGCAAGATAGGATCAGAGAGA	780	
QY	781	TCCTCTGCTGTGGACAGACTAGCAAGTAAATGTGCGCAACAGTAAAGAGCTCTAGCCTCAG	840	
DB	781	TCCTCTGCTGTGGACAGACTAGCAAGTAAATGTGCGCAACAGTAAAGAGCTCTAGCCTCAG	840	
QY	841	AAATTTCTTGGGACAAAGGCCCTGTCGACAGCCCTACGACAGTGCACAGTACGAGAAG	900	
DB	841	AAATTTCTTGGGACAAAGGCCCTGTCGACAGCCCTACGACAGTGCACAGTACGAGAAG	900	
QY	901	GAGAACGAATGATGAAGTCCCAAGTCCCAAGTCCCAAGTCCCAAGTCCCAAGTCCCAAGT	960	
DB	901	GAGAACGAATGATGAAGTCCCAAGTCCCAAGTCCCAAGTCCCAAGTCCCAAGTCCCAAGT	960	
QY	961	CTGGGGCCGAGTCCCTGCGCCGCTGTCAGACAGCCCGCGGCGGTTCGAGGTGGTTC	1020	
DB	961	CTGGGGCCGAGTCCCTGCGCCGCTGTCAGACAGCCCGCGGCGGTTCGAGGTGGTTC	1020	

REFERENCE/DOCKET NUMBER: MPG-006C2DV  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617)227-7400  
 TELEFAX: (617)227-5941  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1386 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 1..1386  
 US-08-465-590-3

Query Match 89.4%; Score 1386; DB 1; Length 1386;  
 Best Local Similarity 100.0%; Pred. No. 1.3e-311;  
 Matches 1386; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 166 AATGTTAAAGTAGAGACTCAGAGTGAAGAGAAATGGCGCTGTGAAATGAATGGG 225  
 DB 1 AATGTTAAAGTAGAGACTCAGAGTGAAGAGAAATGGCGCTGTGAAATGAATGGG 60

QY 226 GAAGAATGTGCGAGGATTTACGAATGCTTGATGCTCGGAGAGAAATGAATGGCTCC 285  
 DB 61 GAAGAATGTGCGAGGATTTACGAATGCTTGATGCTCGGAGAGAAATGAATGGCTCC 120

QY 286 CACAGGACCAAGGAGCTCGGCTTTGCGGGAGTTGGAGGCATTCGACTTCCCTAACGGA 345  
 DB 121 CACAGGACCAAGGAGCTCGGCTTTGCGGGAGTTGGAGGCATTCGACTTCCCTAACGGA 180

QY 346 AAACCTAAAGTGTGATATCTGTGGGATCATTTGCATCGGGGCCAATGTCTCATGTTTAC 405  
 DB 181 AAACCTAAAGTGTGATATCTGTGGGATCATTTGCATCGGGGCCAATGTCTCATGTTTAC 240

QY 406 AAAAGAGCCACACTGGAGAGCGCCCTTCAGTGCATCAGTCGGGGGCTCATTCACC 465  
 DB 241 AAAAGAGCCACACTGGAGAGCGCCCTTCAGTGCATCAGTCGGGGGCTCATTCACC 300

QY 466 CAGAGGCAACCTGTCTCCGGCACATCAAGTGCATTCCGGGAGAGCGCTTCAATGC 525  
 DB 301 CAGAGGCAACCTGTCTCCGGCACATCAAGTGCATTCCGGGAGAGCGCTTCAATGC 360

QY 526 CACCTCTGCACTACGCTCGCCGGAGGAGCGCCCTCACTGGCCACCTTGAGAGCGAC 585  
 DB 361 CACCTCTGCACTACGCTCGCCGGAGGAGCGCCCTCACTGGCCACCTTGAGAGCGAC 420

QY 586 TCCGTTGGTAAACCTCAAAATGTGGATATTGTGGCGAGCTATAAAGAGCGAAGCTGT 645  
 DB 421 TCCGTTGGTAAACCTCAAAATGTGGATATTGTGGCGAGCTATAAAGAGCGAAGCTGT 480

QY 646 TTAGAGCAACATAAGAGCGCTGCCACAATCTTGGAAAGCATGGGCTTCGGGCGACA 705  
 DB 481 TTAGAGCAACATAAGAGCGCTGCCACAATCTTGGAAAGCATGGGCTTCGGGCGACA 540

QY 706 CTGTACCAGTCAATTAAGAGAAACTAGCACAGTGAATGGCAAGAACCTGTGCAAG 765  
 DB 541 CTGTACCAGTCAATTAAGAGAAACTAGCACAGTGAATGGCAAGAACCTGTGCAAG 600

QY 766 ATAGGATCAGAGATCTCTCGTGTGGACAGCTAGCAAGTAATGTCCGCAACGCTAG 825  
 DB 601 ATAGGATCAGAGATCTCTCGTGTGGACAGCTAGCAAGTAATGTCCGCAACGCTAG 660

QY 826 AGCTCTATGCTCAGAAATTTCTTGGGACAAAGGCGCTGTCCGACACGCTTACGACAGT 885  
 DB 661 AGCTCTATGCTCAGAAATTTCTTGGGACAAAGGCGCTGTCCGACACGCTTACGACAGT 720

QY 886 GCCACGTAGGAGAGAGCAAAATGATGATCCGACGTGATGACCAAGCCATCAAC 945  
 DB 721 GCCACGTAGGAGAGAGCAAAATGATGATCCGACGTGATGACCAAGCCATCAAC 780

QY 946 AACGCCATCACTACTCTGGGGCCAGTCCCTTGCCGCCGCTGGTGACAGACGCCCGGGG 1005  
 DB 781 AACGCCATCACTACTCTGGGGCCAGTCCCTTGCCGCCGCTGGTGACAGACGCCCGGGG 840

QY 1006 GGTTCGAGGTGGTCCCGTTCATCAGCCCGATGTACCAAGCTGCACAGCGCTCGAGGGG 1065  
 DB 841 GGTTCGAGGTGGTCCCGTTCATCAGCCCGATGTACCAAGCTGCACAGCGCTCGAGGGG 900

QY 1066 ACCCGCGCTCCAACTCGGCGCCAGGACAGCGCGCTGGAGTACCTGTCTCTCTCC 1125  
 DB 901 ACCCGCGCTCCAACTCGGCGCCAGGACAGCGCGCTGGAGTACCTGTCTCTCTCC 960

QY 1126 AAGGCCAAGTTGGTGGCTCGGAGCGGAGCGCTCCCGGAGCAACAGCTGCCAAGACTCC 1185  
 DB 961 AAGGCCAAGTTGGTGGCTCGGAGCGGAGCGCTCCCGGAGCAACAGCTGCCAAGACTCC 1020

QY 1186 ACGGACACCGAGAGCAACAGGAGGAGCAGCGAGCGCTTATCTACCTGACCAACAC 1245  
 DB 1021 ACGGACACCGAGAGCAACAGGAGGAGCAGCGAGCGCTTATCTACCTGACCAACAC 1080

QY 1246 ATCCCGCGAGCGGCAACCGCTGTCTCAAGGAGGAGCAGCGCGCTACGACCTGCTG 1305  
 DB 1081 ATCCCGCGAGCGGCAACCGCTGTCTCAAGGAGGAGCAGCGCGCTACGACCTGCTG 1140

QY 1306 CGCGCGCTCCGAGACTCGAGGAGCGCTCGGCTGAGCAGCAGCGGAGGAGCAG 1365  
 DB 1141 CGCGCGCTCCGAGACTCGAGGAGCGCTCGGCTGAGCAGCAGCGGAGGAGCAG 1200

QY 1366 ATGAAGTGTACAGTCCGAACACTCGCGGCTCTCTCTGGATCAGCTCATGTACAC 1425  
 DB 1201 ATGAAGTGTACAGTCCGAACACTCGCGGCTCTCTCTGGATCAGCTCATGTACAC 1260

QY 1426 ATCCATATGGGCTGCCAGGCTTCCGTGATCTTTAGTGAACATGTGCGGCTACAC 1485  
 DB 1261 ATCCATATGGGCTGCCAGGCTTCCGTGATCTTTAGTGAACATGTGCGGCTACAC 1320

QY 1486 AGCCAGACCGGTACCAGTTCCTCGTCGACATACCGGAGGAGCAGCGCTTCCACATG 1545  
 DB 1321 AGCCAGACCGGTACCAGTTCCTCGTCGACATACCGGAGGAGCAGCGCTTCCACATG 1380

QY 1546 AGCTAA 1551  
 DB 1381 AGCTAA 1386

RESULT 3  
 US-08-283-300A-2  
 ; Sequence 2, Application US/08283300A  
 ; Patent No. 6172278  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Georgopoulos, Katia A.  
 ; TITLE OF INVENTION: IKAROS TRANSGENIC CELLS AND ANIMALS  
 ; NUMBER OF SEQUENCES: 26  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: LAHIVE & COCKFIELD  
 ; STREET: 60 STATE STREET, Suite 510  
 ; CITY: BOSTON  
 ; STATE: MASSACHUSETTS  
 ; COUNTRY: USA  
 ; ZIP: 02109  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: ASCII (text)  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/283,300A  
 ; FILING DATE:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 08/238,212  
 ; FILING DATE: 02-MAY-94  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 08/121,438

us-08-711-417c-165.rni

Wed Aug 28 10:00:38 2002

; FILING DATE: 14-SEP-1993  
 ; PRIOR APPLICATION DATA: US 07/946,233  
 ; APPLICATION NUMBER: 14-SEP-1992  
 ; FILING DATE: 14-SEP-1992  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Myers, Paul L.  
 ; REGISTRATION NUMBER: 35,695  
 ; REFERENCE/DOCKET NUMBER: MSP-027  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (617)227-7400  
 ; TELEFAX: (617)227-5941  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1386 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: double  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: cDNA  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: 1..1386  
 ; US-08-283-300A-2

Query Match 89.4%; Score 1386; DB 4; Length 1386;  
 Best Local Similarity 100.0%; Pred. No. 1.3e-311;  
 Matches 1386; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	166	AAATGTTAAAGTACAGACTCAGAGTATGATGAAGAAATGGCGTGCCTGTGAAATGAATGGG	225
DB	1	AAATGTTAAAGTACAGACTCAGAGTATGATGAAGAAATGGCGTGCCTGTGAAATGAATGGG	60
QY	226	GAAGAAATGTCGGAGGATTTACGAATGCTTGATGCTCGGGAGAGAAATGAATGCTCC	285
DB	61	GAAGAAATGTCGGAGGATTTACGAATGCTTGATGCTCGGGAGAGAAATGAATGCTCC	120
QY	286	CACAGGACCAAGCAGCTCGCTTTGTCGGAGTTGGAGGATTCAGCTTCCTAAACGGA	345
DB	121	CACAGGACCAAGCAGCTCGCTTTGTCGGAGTTGGAGGATTCAGCTTCCTAAACGGA	180
QY	346	AAACTAAAGTGTGATATCTGTGGATCATTTGATGCTCGGGCCCAATGCTCATGTTTCA	405
DB	181	AAACTAAAGTGTGATATCTGTGGATCATTTGATGCTCGGGCCCAATGCTCATGTTTCA	240
QY	406	AAAAGAGCCACATGGAGACGCCCTTCCAGTGCAATCAGTCCGGGGCTCATTCACC	465
DB	241	AAAAGAGCCACATGGAGACGCCCTTCCAGTGCAATCAGTCCGGGGCTCATTCACC	300
QY	466	CAGAGGGCAACCTGCTCCGGCACATCAAGCTGCAATTCGGGGAGAGAGCCCTTCAATGC	525
DB	301	CAGAGGGCAACCTGCTCCGGCACATCAAGCTGCAATTCGGGGAGAGAGCCCTTCAATGC	360
QY	526	CACCTTCTCAACTAGCTCGCGCGGAGGAGCGCCCTCACTGGCCACCTGAGGACGCAC	585
DB	361	CACCTTCTCAACTAGCTCGCGCGGAGGAGCGCCCTCACTGGCCACCTGAGGACGCAC	420
QY	586	TCGGTGTGTAACCTCAAAATGATGATTTGTCGCCGAAGCTATAACACGCAACGCTCT	645
DB	421	TCGGTGTGTAACCTCAAAATGATGATTTGTCGCCGAAGCTATAACACGCAACGCTCT	480
QY	646	TTAGAGGAACATATAAGAGCGCTGCGACAACTACTTTGGAAACATGCGGCTTCGGGCACA	705
DB	481	TTAGAGGAACATATAAGAGCGCTGCGACAACTACTTTGGAAACATGCGGCTTCGGGCACA	540
QY	706	CTGTACCCAGTCAATTAAGAGAAACTAAGCACATGAAATGGCAAGAGACTGTGCAAG	765
DB	541	CTGTACCCAGTCAATTAAGAGAAACTAAGCACATGAAATGGCAAGAGACTGTGCAAG	600
QY	766	ATAGGATCAGAGATCTCTCGTGTGGACAGACTAGCAAGTAATGTGCCAAACGCTAAG	825
DB	601	ATAGGATCAGAGATCTCTCGTGTGGACAGACTAGCAAGTAATGTGCCAAACGCTAAG	660
QY	826	AGCTCTATGCCCTCAGAAATTTCTTGGGACAAAGGGCTCTCCGACACGCGCTTACGACAGT	885

DB	661	AGCTCTATGCCCTCAGAAATTTCTTGGGACAAAGGGCTCTCCGACACGCGCTTACGACAGT	720
QY	886	GCACGTCAGAGAGAGAGAAATGATGAGTCCAGCTGATGGACCAAGCCATCAAC	945
DB	721	GCACGTCAGAGAGAGAGAAATGATGAGTCCAGCTGATGGACCAAGCCATCAAC	780
QY	946	AACGCCATCAACTTACCTTGGGGCCGAGTCCCTGCGCCGCTGTGTCAGACGCGCCGCGGC	1005
DB	781	AACGCCATCAACTTACCTTGGGGCCGAGTCCCTGCGCCGCTGTGTCAGACGCGCCGCGGC	840
QY	1006	GGTTCGAGGTGTCCTCCGCTCATCAGCCGATGTACAGCTGCACAGGCGCTCGGAGGC	1065
DB	841	GGTTCGAGGTGTCCTCCGCTCATCAGCCGATGTACAGCTGCACAGGCGCTCGGAGGC	900
QY	1066	ACCCGCGCTCCAAACCACTCGGCCAGGACAGCGCTGGAGTACCTGTGCTCTCC	1125
DB	901	ACCCGCGCTCCAAACCACTCGGCCAGGACAGCGCTGGAGTACCTGTGCTCTCC	960
QY	1126	AAGCCAAAGTTGTCCTCGGAGCGAGCGTCCCGGAGCAACAGCTGCCAAGACTCC	1185
DB	961	AAGCCAAAGTTGTCCTCGGAGCGAGCGTCCCGGAGCAACAGCTGCCAAGACTCC	1020
QY	1186	ACGACACCGAGAGCAACACAGGAGGACAGCGCGCTTATCTACCTGACCAACAC	1245
DB	1021	ACGACACCGAGAGCAACACAGGAGGACAGCGCGCTTATCTACCTGACCAACAC	1080
QY	1246	ATCCCGGAGCGCGCAACGCTGCTCCTCAAGGAGAGGACCGCGCTACGACCTGCTG	1305
DB	1081	ATCCCGGAGCGCGCAACGCTGCTCCTCAAGGAGAGGACCGCGCTACGACCTGCTG	1140
QY	1306	CGCGCGCTCCGAGAACTCCAGAGCGCTCCGCGGTGTCAGCACACAGCGGGGAGCAG	1365
DB	1141	CGCGCGCTCCGAGAACTCCAGAGCGCTCCGCGGTGTCAGCACACAGCGGGGAGCAG	1200
QY	1366	ATGAGGTGTACAGTGGAACTGCGCGGTGCTTCTTCTGATCATGTCATGACAC	1425
DB	1201	ATGAGGTGTACAGTGGAACTGCGCGGTGCTTCTTCTGATCATGTCATGACAC	1260
QY	1426	ATCCACATGGGTGCGCGCTTCCGCTGATCTTTTGTAGTGCACATGTCGGGTACAC	1485
DB	1261	ATCCACATGGGTGCGCGCTTCCGCTGATCTTTTGTAGTGCACATGTCGGGTACAC	1320
QY	1486	ACCCAGGACCGTACAGTTCCTGTCGACATACGCGAGGAGGACCGCTTCCACATG	1545
DB	1321	ACCCAGGACCGTACAGTTCCTGTCGACATACGCGAGGAGGACCGCTTCCACATG	1380
QY	1546	AGCTAA 1551	
DB	1381	AGCTAA 1386	

RESULT 4  
 US-08-711-417c-3  
 ; Sequence 3, Application US/08711417C  
 ; Patent No. 6228611  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Georgopoulos, Katia A.  
 ; TITLE OF INVENTION: IKAROS: A T CELL PATHWAY REGULATORY GENE  
 ; NUMBER OF SEQUENCES: 202  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Fish & Richardson P.C.  
 ; STREET: 225 Franklin Street  
 ; CITY: Boston  
 ; STATE: MA  
 ; COUNTRY: USA  
 ; ZIP: 02110-2804  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; OPERATING SYSTEM: Windows 95  
 ; SOFTWARE: FastSeq for Windows Version 2.0b  
 ; CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/711.417C  
 FILING DATE: 05-Sep-1996  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/238,212  
 FILING DATE: 02-MAY-1994  
 APPLICATION NUMBER: 08/121,438  
 FILING DATE: 14-SEP-1993  
 APPLICATION NUMBER: 07/946,233  
 FILING DATE: 14-SEP-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Myers, Louis P.  
 REGISTRATION NUMBER: 35,965  
 REFERENCE/DOCKET NUMBER: 10287/007001  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 617/542-5070  
 TELEFAX: 617/542-8906  
 TELEX: 200154  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1386 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 FEATURE:  
 NAME/KEY: Coding Sequence  
 LOCATION: 1...1383  
 SEQUENCE DESCRIPTION: SEQ ID NO: 3:

US-08-711-417C-3

Query Match 89.4%; Score 1386; DB 4; Length 1386;  
 Best Local Similarity 100.0%; Pred. No. 1.3e-311;  
 Matches 1386; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

166 AATGTTAACTAGACTCAGATGATGAGAGATGCGCTGCTGTAATGATGGG 225  
 Db 1 AATGTTAACTAGACTCAGATGATGAGAGATGCGCTGCTGTAATGATGGG 60

226 GAAGATGTCGGAGATTTACAAATGCTTGATGCTCGGAGAGAAATGATGGCTCC 285  
 Db 61 GAAGATGTCGGAGATTTACAAATGCTTGATGCTCGGAGAGAAATGATGGCTCC 120

286 CACAGGACCAAGGAGCTCGGCTTGTGCGGAGTTGAGGCAATTCGACTTCCTAACGGA 345  
 Db 121 CACAGGACCAAGGAGCTCGGCTTGTGCGGAGTTGAGGCAATTCGACTTCCTAACGGA 180

346 AAATAAGTGTGATATCTGTGGATCATTTGCAATGCAATGCAATGCAATGCAATGCAAT 405  
 Db 181 AAATAAGTGTGATATCTGTGGATCATTTGCAATGCAATGCAATGCAATGCAATGCAAT 240

406 AAAGAAGCCACACTGGAGACGGCCCTTCCAGTCAATGCAATGCAATGCAATGCAATGCAAT 465  
 Db 241 AAAGAAGCCACACTGGAGACGGCCCTTCCAGTCAATGCAATGCAATGCAATGCAATGCAAT 300

466 CAGAGGGCAACCTGCTCGGACATCAAGCTGCAATGCAATGCAATGCAATGCAATGCAATGCAAT 525  
 Db 301 CAGAGGGCAACCTGCTCGGACATCAAGCTGCAATGCAATGCAATGCAATGCAATGCAATGCAAT 360

526 CACCTCTGCAACTAGCCTGCGCGGAGGACGCGCTTCACTGGCCACCTGAGGACGCAC 585  
 Db 361 CACCTCTGCAACTAGCCTGCGCGGAGGACGCGCTTCACTGGCCACCTGAGGACGCAC 420

586 TCCGTTGGTAAACCTCAAAATGTTGATTTGTTGGCGGAAGCTATTAACAGCGAAGCTCT 645  
 Db 421 TCCGTTGGTAAACCTCAAAATGTTGATTTGTTGGCGGAAGCTATTAACAGCGAAGCTCT 480

646 TTAGAGGAACATAAAGAGCGCTGCGCAACTACTTTGAAAGCATGGCCCTTCGGGCGACA 705  
 Db 481 TTAGAGGAACATAAAGAGCGCTGCGCAACTACTTTGAAAGCATGGCCCTTCGGGCGACA 540

706 CTGTACCCAGTCAATTAAGAGAACTAAGCAGATGCAATGCAAGAGCAAGCTGTCAAG 765  
 Db 706 CTGTACCCAGTCAATTAAGAGAACTAAGCAGATGCAATGCAAGAGCAAGCTGTCAAG 1386

Db 541 CTGTACCCAGTCAATTAAGAGAACTAAGCAGATGAAATGCGAGAAGACCTGTGCAAG 600  
 QY 766 ATAGGATCAGAGAGATCTCTGCTGTGACAGACTAGCAGATGATGTCGCAACACGTAAAG 825  
 Db 601 ATAGGATCAGAGAGATCTCTGCTGTGACAGACTAGCAGATGATGTCGCAACACGTAAAG 660  
 QY 826 AGCTCTATGCTCAGAAATTTCTTTGGGACAAAGGGCTGTCGACAGCGCTACGACAGT 885  
 Db 661 AGCTCTATGCTCAGAAATTTCTTTGGGACAAAGGGCTGTCGACAGCGCTACGACAGT 720  
 QY 886 GCCAGTACGAGAGAGAGAAATGATGAAGTCCACCTGATGACCAAGCCATCAAC 945  
 Db 721 GCCAGTACGAGAGAGAGAAATGATGAAGTCCACCTGATGACCAAGCCATCAAC 780  
 QY 946 AACGCCATCAACTACTGCGGGCGAGTCCCTGCGGCCGCTGTGAGAGCGCCCGGGC 1005  
 Db 781 AACGCCATCAACTACTGCGGGCGAGTCCCTGCGGCCGCTGTGAGAGCGCCCGGGC 840  
 QY 1006 GTTCCGAGGTGTCGCGGTATCAGCCGATGACAGCTGACAGCTGACAGGCGCTCGGAGGCG 1065  
 Db 841 GTTCCGAGGTGTCGCGGTATCAGCCGATGACAGCTGACAGCTGACAGGCGCTCGGAGGCG 900  
 QY 1066 ACCCGCGCTCCAACTCGGCCAGGACGCGCTGAGTACCTGCTGCTCTCC 1125  
 Db 901 ACCCGCGCTCCAACTCGGCCAGGACGCGCTGAGTACCTGCTGCTCTCC 960  
 QY 1126 AAGCCCAAGTTGTTGCTCGGAGCGGAGGCGTCCCGAGCAACAGCTGCAAGACTCC 1185  
 Db 961 AAGCCCAAGTTGTTGCTCGGAGCGGAGGCGTCCCGAGCAACAGCTGCAAGACTCC 1020  
 QY 1186 ACGGACACCGAGAGCAACACAGGAGAGCGCGGCTTATCTACTGACCAACAC 1245  
 Db 1021 ACGGACACCGAGAGCAACACAGGAGAGCGCGGCTTATCTACTGACCAACAC 1080  
 QY 1246 ATGCGCGCGCTCCGAGAACTCGGAGGAGCGGCTTCAAGGAGGAGACCGCGCTGCTGCTG 1305  
 Db 1081 ATGCGCGCGCTCCGAGAACTCGGAGGAGCGGCTTCAAGGAGGAGACCGCGCTGCTGCTG 1140  
 QY 1306 CGCGCGCTCCGAGAACTCGGAGGAGCGGCTTCAAGGAGGAGACCGCGCTGCTGCTGCTG 1365  
 Db 1141 CGCGCGCTCCGAGAACTCGGAGGAGCGGCTTCAAGGAGGAGACCGCGCTGCTGCTGCTG 1200  
 QY 1366 ATCAAGGTGTACAGTCCGAACTCGGCGGTGCTTCTTCTGGATCAGTCACTGATACAC 1425  
 Db 1201 ATCAAGGTGTACAGTCCGAACTCGGCGGTGCTTCTTCTGGATCAGTCACTGATACAC 1260  
 QY 1426 ATCCACATGGGTGCGACGCGCTTCCGTGATCCTTTTGTGATGCAACATGTCGGCTACAC 1485  
 Db 1261 ATCCACATGGGTGCGACGCGCTTCCGTGATCCTTTTGTGATGCAACATGTCGGCTACAC 1320  
 QY 1486 AGCCAGGCGGTGAGAGTTCGTGCGACATAAAGCGGAGGAGACCGCTTCCACATG 1545  
 Db 1321 AGCCAGGCGGTGAGAGTTCGTGCGACATAAAGCGGAGGAGACCGCTTCCACATG 1380  
 QY 1546 AGCTAA 1551  
 Db 1381 AGCTAA 1386

RESULT 5  
 PCT-US95-09345-2  
 ; Sequence 2, Application PC/TUS9509345  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Georgopoulos, Katia A.  
 ; TITLE OF INVENTION: IKAROS TRANSGENIC CELLS AND ANIMALS  
 ; NUMBER OF SEQUENCES: 26  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESS: LAHIVE & COCKFIELD  
 ; STREET: 60 STATE STREET, Suite 510  
 ; CITY: BOSTON  
 ; STATE: MASSACHUSETTS  
 ; COUNTRY: USA  
 ; ZIP: 02109

Wed Aug 28 10:00:38 2002

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII (text)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/09345  
FILING DATE:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/283,300  
FILING DATE: 29-JULY-94  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/238,212  
FILING DATE: 02-MAY-94  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/121,438  
FILING DATE: 14-SEP-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/946,233  
FILING DATE: 14-SEP-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Myers, Paul L.  
REGISTRATION NUMBER: 35,695  
REFERENCE/DOCKET NUMBER: MGP-027PC  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617)227-7400  
TELEFAX: (617)227-5941  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1386 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..1386  
PCT-US95-09345-2

Query Match 89.4%; Score 1386; DB 5; Length 1386;  
Best Local Similarity 100.0%; Pred. No. 1.3e-311;  
Matches 1386; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	166	AATGTTAAAGTACAGACTCAGAGTATGAGAGATGGCGCTGTGAAATGAATGGG	225
DB	1	AATGTTAAAGTACAGACTCAGAGTATGAGAGATGGCGCTGTGAAATGAATGGG	60
QY	226	GAAGAAATGTCGGAGGATTTACGAATCTTGATGCTCGGGAGAGAAATGAATGGCTCC	285
DB	61	GAAGAAATGTCGGAGGATTTACGAATCTTGATGCTCGGGAGAGAAATGAATGGCTCC	120
QY	286	CACAGGACCAAGCAGCTCGCTTTGTCGGAGTTGGAGGATTCGACTTCCTAACGGA	345
DB	121	CACAGGACCAAGCAGCTCGCTTTGTCGGAGTTGGAGGATTCGACTTCCTAACGGA	180
QY	346	AACTAAAGTGTGATATCTCTGGGATCATTTGCATCGGGCCCAATGTGCTCATGTTTAC	405
DB	181	AACTAAAGTGTGATATCTCTGGGATCATTTGCATCGGGCCCAATGTGCTCATGTTTAC	240
QY	406	AAAAGAGCCACACTGGAGACGCCCTCCAGTGAATCAGTGGCGGGCCCTCAITTCACC	465
DB	241	AAAAGAGCCACACTGGAGACGCCCTCCAGTGAATCAGTGGCGGGCCCTCAITTCACC	300
QY	466	CAGAGGGCAACCTGCTCCGSCACATCAAGCTGCATTCGGGGAGAGGCCCTTCAATGC	525
DB	301	CAGAGGGCAACCTGCTCCGSCACATCAAGCTGCATTCGGGGAGAGGCCCTTCAATGC	360
QY	526	CACCTCTGCAACTAGCCCTCGCCCGGAGGAGGACGCCCTCACTGCCACCTGAGGACGCAC	585
DB	361	CACCTCTGCAACTAGCCCTCGCCCGGAGGAGGACGCCCTCACTGCCACCTGAGGACGCAC	420
QY	586	TCCGTTGGTAAACCTCAACAAATGTGGATATTGTGGCCGGAAGCTATATAACAGCAAGCTGT	645

DB	421	TCGTTGGTAAACCTCACAAATGTGGATATTGTGGCCGAAGCTATAAACAGCGAACGTCT	480
QY	646	TTAGAGAAACATAAGAGCGCTGCCACAACTACTTTGGAAGCATGGCTTCCGGGCACA	705
DB	481	TTAGAGAAACATAAGAGCGCTGCCACAACTACTTTGGAAGCATGGCTTCCGGGCACA	540
QY	706	CTGTACCCAGTCAATTAAGAAAGAACTAAGACACAGTGAATGGCAGAAAGCTGTGCAAG	765
DB	541	CTGTACCCAGTCAATTAAGAAAGAACTAAGACACAGTGAATGGCAGAAAGCTGTGCAAG	600
QY	766	ATAGGATCAGAGAGATCTCTCGTGGGACAGACTAGCAAGTAATGTCGCCAAACGTAAG	825
DB	601	ATAGGATCAGAGAGATCTCTCGTGGGACAGACTAGCAAGTAATGTCGCCAAACGTAAG	660
QY	826	AGTCTATGCTCAGAAATTTCTTGGGGACAAAGGCGCTGTCCGACACGCCCTACGACAGT	885
DB	661	AGTCTATGCTCAGAAATTTCTTGGGGACAAAGGCGCTGTCCGACACGCCCTACGACAGT	720
QY	886	GCCACGTACGAGAGAGAGAAACGAAATGATGAATCCCATGATGGACCAAGCCATCAAC	945
DB	721	GCCACGTACGAGAGAGAGAAACGAAATGATGAATCCCATGATGGACCAAGCCATCAAC	780
QY	946	AACGCCATCAACTACCTGGGGCGGAGTCCCTGCGCCCGCTGGTGCAGACGCCCGGGGC	1005
DB	781	AACGCCATCAACTACCTGGGGCGGAGTCCCTGCGCCCGCTGGTGCAGACGCCCGGGGC	840
QY	1006	GGTTCGAGAGTGGTCCCGGTCATCAGCCCGATGTACAGTGCACAGGGCTCGGAGGCG	1065
DB	841	GGTTCGAGAGTGGTCCCGGTCATCAGCCCGATGTACAGTGCACAGGGCTCGGAGGCG	900
QY	1066	ACCCCGCTCCAAACCACTCGGCCAGCAGCGCGCTGGAGTACCTGTCTGTCTCTCC	1125
DB	901	ACCCCGCTCCAAACCACTCGGCCAGCAGCGCGCTGGAGTACCTGTCTGTCTCTCC	960
QY	1126	AAGGCCAAGTTGGTGGCTCGGAGCGGAGGCGTCCCGAGCAACAGCTGCCAAGACTCC	1185
DB	961	AAGGCCAAGTTGGTGGCTCGGAGCGGAGGCGTCCCGAGCAACAGCTGCCAAGACTCC	1020
QY	1186	ACGGACACGAGAGCAACAGGAGGAGCAGCGCTCTTATCTACCTGACCAACAC	1245
DB	1021	ACGGACACGAGAGCAACAGGAGGAGCAGCGCTCTTATCTACCTGACCAACAC	1080
QY	1246	ATCGCCGACGCGCGCAACAGCGCTGTCTCAAGGAGGAGCAGCGCGCTAGGACCTCTG	1305
DB	1081	ATCGCCGACGCGCGCAACAGCGCTGTCTCAAGGAGGAGCAGCGCGCTAGGACCTCTG	1140
QY	1306	CGCGCGCTCCGAGAACTCGCAGGACGCGCTCCCGGTGGTCAAGCAGCGGGGAGCAG	1365
DB	1141	CGCGCGCTCCGAGAACTCGCAGGACGCGCTCCCGGTGGTCAAGCAGCGGGGAGCAG	1200
QY	1366	ATGAAGGTGTACAAGTGGCAACACTGCGCGGTGCTTCTCTGGATCAGTGTACACC	1425
DB	1201	ATGAAGGTGTACAAGTGGCAACACTGCGCGGTGCTTCTCTGGATCAGTGTACACC	1260
QY	1426	ATCCACATGGGCTGCCACCGCTTCCGTGATCTTTTGGTGAACATGTCGGGTACCCAC	1485
DB	1261	ATCCACATGGGCTGCCACCGCTTCCGTGATCTTTTGGTGAACATGTCGGGTACCCAC	1320
QY	1486	AGCCAGGACCGGTACGAGTTCCTGTCGACATTAAGCGAGGGGAGCAGCGCTTCCACATG	1545
DB	1321	AGCCAGGACCGGTACGAGTTCCTGTCGACATTAAGCGAGGGGAGCAGCGCTTCCACATG	1380
QY	1546	AGCTAA 1551	
DB	1381	AGCTAA 1386	

RESULT 6  
PCT-US93-08743-3  
; Sequence 3, Application PC/TUS9308743  
; GENERAL INFORMATION:  
; APPLICANT:



;; TITLE OF INVENTION: IKAROS: A T CELL PATHWAY REGULATORY GENE  
;; NUMBER OF SEQUENCES: 152  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: ASCII  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: PCT/US93/08743  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 946,233  
;; FILING DATE: 14-SEP-1992  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (617)227-7400  
;; TELEFAX: (617)227-5941  
;; INFORMATION FOR SEQ ID NO: 3:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 1611 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cDNA  
;; FEATURE:  
;; NAME/KEY: CDS  
;; LOCATION: 1..1611  
;; PCT-US93-08743-3

Query Match 89.1%; Score 1382.4; DB 5; Length 1611;  
Best Local Similarity 99.6%; Pred. No. 9.5e-311;  
Matches 1386; Conservative 0; Mismatches 6; Indels 0; Gaps 0;  
QY 160 GCCAGTAATGTTAAAGTAGAGACTCAGAGTGTAGAGAGAAATGGCGTGCCTGTGAATG 219  
DB 217 GCCAGTAATGTTAAAGTAGAGACTCAGAGTGTAGAGAGAAATGGCGTGCCTGTGAATG 276  
QY 220 AATGGGGAAGAATGTGGGAGGATTTACGAATGCTTGATGCCCTCGGAGAGAAATGAAT 279  
DB 277 AATGGGGAAGAATGTGGGAGGATTTACGAATGCTTGATGCCCTCGGAGAGAAATGAAT 336  
QY 280 GGCTCCACAGGACCAAGGACGCTCGGCTTTGTGCGGAGTTGGAGGCAATTCGACTTCCT 339  
DB 337 GGCTCCACAGGACCAAGGACGCTCGGCTTTGTGCGGAGTTGGAGGCAATTCGACTTCCT 396  
QY 340 AACGGAAACTAAAGTGTATATCTGTGGATCATTTGGATCGGGCCCCAATGTGCTCATG 399  
DB 397 AACGGAAACTAAAGTGTATATCTGTGGATCATTTGGATCGGGCCCCAATGTGCTCATG 456  
QY 400 GTTCACAAAAGAGCCACACTGCTCCGGACATCAAGCTGCATTCGGGGGAGAGCCCTTC 519  
DB 457 GTTCACAAAAGAGCCACACTGCTCCGGACATCAAGCTGCATTCGGGGGAGAGCCCTTC 576  
QY 520 AAATGCCACTCTGCAACTACGCTCCCGCGGAGGAGCCCTCACTGGCCACCTGAGG 579  
DB 577 AAATGCCACTCTGCAACTACGCTCCCGCGGAGGAGCCCTCACTGGCCACCTGAGG 636  
QY 580 ACGCACTCGGTGGTAAACCTCACAAATGTGATATTTGGCCGAAGCTATAAAGAGCGA 639  
DB 637 ACGCACTCGGTGGTAAACCTCACAAATGTGATATTTGGCCGAAGCTATAAAGAGCGA 696  
QY 640 ACGTCTTTAGAGACATAAAGAGCGCTGCCACAACACTACTTGGAAAGCATGGCCTCCG 699  
DB 697 ACGTCTTTAGAGACATAAAGAGCGCTGCCACAACACTACTTGGAAAGCATGGCCTCCG 756  
QY 700 GGCACACTGTACCCTCATTAAGAGAACTAAGACAGTGAATGGCAGAGACCTG 759  
DB 757 GGCACACTGTACCCTCATTAAGAGAACTAAGACAGTGAATGGCAGAGACCTG 816  
QY 760 TGCAAGATAGGATCAGAGAGATCTCTCGTGTGGACACTAGCAAGTAATGTGCCCAA 819

DB 817 TGCAAGATAGGATCAGAGAGATCTCTGCTGTGACAGACTAGCAAGTAATGTGCCAAA 876  
QY 820 CGTAAGAGCTCTATGCTCTAGAAATTTCTTTGGGACAAGGCGCTGCTCCGACAGCCCTAC 879  
DB 877 CGTAAGAGCTCTATGCTCTAGAAATTTCTTTGGGACAAGGCGCTGCTCCGACAGCCCTAC 936  
QY 880 GACAGTCCACAGTACGAGAGGAGAGAAATGATGAATGCCACAGTGTGAGACCAAGCC 939  
DB 937 GACAGTCCACAGTACGAGAGGAGAGAAATGATGAATGCCACAGTGTGAGACCAAGCC 996  
QY 940 ATCAACAACGCCATCAACTACCTGGGGGCGGAGTCCCTCGGCCGCTGGTGGAGAGCC 999  
DB 997 ATCAACAACGCCATCAACTACCTGGGGGCGGAGTCCCTCGGCCGCTGGTGGAGAGCC 1056  
QY 1000 CCGGGCGGTTCGAGGTGCTCCCGGTTCATCAGCCCGATACAGTGCACAGGCGCTCG 1059  
DB 1057 CCGGGCGGTTCGAGGTGCTCCCGGTTCATCAGCCCGATACAGTGCACAGGCGCTCG 1116  
QY 1060 GAGGCGACCCCGCGCTCCCAACCACTCGGCCAGGAGAGCGCGTGGAGTACCTGTGCTG 1119  
DB 1117 GAGGCGACCCCGCGCTCCCAACCACTCGGCCAGGAGAGCGCGTGGAGTACCTGTGCTG 1176  
QY 1120 CTCTCCAAGGCCAAAGTTGCTGCTCGGAGCGGAGCGCTCCCGAGCAACAGCTGCCAA 1179  
DB 1177 CTCTCCAAGGCCAAAGTTGCTGCTCGGAGCGGAGCGCTCCCGAGCAACAGCTGCCAA 1236  
QY 1180 GACTCCACGGACACCGAGAGAGCAACAAACGAGGAGAGCGCGCTTTATCTTACCTGACC 1239  
DB 1237 GACTCCACGGACACCGAGAGAGCAACAAACGAGGAGAGCGCGCTTTATCTTACCTGACC 1296  
QY 1240 AACCACATCGCCCGAGCGCGCAACCGCTGTCGCTCAAGGAGAGAGCGCGCTTACGAC 1299  
DB 1297 AACCACATCGCCCGAGCGCGCAACCGCTGTCGCTCAAGGAGAGAGCGCGCTTACGAC 1356  
QY 1300 CTGCTCGCGCGCGCTCCGAGAACTCGCAGGAGCGCGCTCCGCTCAGCAGCAGCGG 1359  
DB 1357 CTGCTCGCGCGCGCTCCGAGAACTCGCAGGAGCGCGCTTCCGCTGCTCAGCAGCAGCGG 1416  
QY 1360 GAGCAGATGAAGGTGTACAAGTGCAGAACTCGCAGGAGCGCGCTTCCGCTGCTCAGCAGCG 1419  
DB 1417 GAGCAGATGAAGGTGTACAAGTGCAGAACTCGCAGGAGCGCGCTTCCGCTGCTCAGCAGCG 1476  
QY 1420 TACACCATCCACATGGCTGCCACGCTTCCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTC 1479  
DB 1477 TACACCATCCACATGGCTGCCACGCTTCCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTC 1536  
QY 1480 TACACAGCCAGGACCGGTACGAGTTCCTGTCGTCGTCGTCGTCGTCGTCGTCGTCGTC 1539  
DB 1537 TACACAGCCAGGACCGGTACGAGTTCCTGTCGTCGTCGTCGTCGTCGTCGTCGTCGTC 1596  
QY 1540 CACATGAGCTAA 1551  
DB 1597 CACATGAGCTAA 1608

RESULT 7  
US-08-465-590-5  
; Sequence 5, Application US/08465590  
; Patent No. 5824770  
; GENERAL INFORMATION:  
; APPLICANT: Georgopoulos, Katia A.  
; TITLE OF INVENTION: IKAROS: A T CELL PATHWAY REGULATORY GENE  
; NUMBER OF SEQUENCES: 164  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD  
; STREET: 60 STATE STREET, Suite 510  
; CITY: BOSTON  
; STATE: MASSACHUSETTS  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk

Wed Aug 28 10:00:38 2002

COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII (text)  
CURRENT APPLICATION DATA: US/08/465,590  
FILING DATE: 05-JUN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/238,212  
FILING DATE: 02-MAY-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/121,438  
FILING DATE: 14-SEP-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/946,233  
FILING DATE: 14-SEP-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Myers, Paul L. 35,695  
REGISTRATION NUMBER:  
REFERENCE/DOCKET NUMBER: MPG-006C2DV  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617)227-7400  
TELEFAX: (617)227-5941  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2049 base pairs  
TYPE: nucleic acid  
STRADEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: CDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 223..1776  
US-08-465-590-5

Query Match 75.7%; Score 1174.8; DB 1; Length 2049;  
Best Local Similarity 87.2%; Pred. No. 9.5e-263;  
Matches 1365; Conservative 0; Mismatches 177; Indels 24; Gaps 6;

QY 1 ATGGATGCTGACGAGGGTCAAGACATGTCTTCTCATCAGGAGGAAAGCCCTCTGTA 60  
DB 223 ATGGATGCTGATGAGGGTCAAGACATGTCCCAAGTTTTCAGGAAAGGAGAGCCCGAGTC 282  
QY 61 AGCGATACCTCAGATGAGGGGATGAGCCCATGCCGATCCCGAGGAGACCTCTCCACACC 120  
DB 283 AGTGACACTCCAGATGAGGGGATGAGCCCATGCCGATCCCGAGGAGACCTCTCCACACC 342  
QY 121 TCGGAGGACAGCAAGCTCCAAAGATGACAGAGTGTGCGCCAGTAAATGTTAAAGTAGAG 180  
DB 343 TCTGGACACAGCAAGCTCCAAAGATGATCGAGGATGCGCCAGTAAATGTTAAAGTAGAG 402  
QY 181 ACTCAGAGTATGAGAGATGAGCGGCTGCTGTAATGAATGGGAAGAAATGTGCGGAG 240  
DB 403 ACTCAGAGTATGAGAGATGAGCGGCTGCTGTAATGAATGGGAAGAAATGTGCGGAG 462  
QY 241 GATTTACGAATGCTGTGATGCTCGGAGAGAAATGAATGGCTCCACAGGGACCAAGGC 300  
DB 463 GATTTACGAATGCTGTGATGCTCGGAGAGAAATGAATGGCTCCACAGGGACCAAGGC 522  
QY 301 AGCTCGGGTTTGTGCGGAGTTGAGGACATTCGACTTCTAACGGAAACTAAAGTGTGAT 360  
DB 523 AGCTCGGGTTTGTGCGGAGTTGAGGACATTCGACTTCTAACGGAAACTAAAGTGTGAT 582  
QY 361 ATCTGTGGGATCAATTCGATCGGCGCCCAATGTGCTCATGTGTTACAAAAGAGCCACAT 420  
DB 583 ATCTGTGGGATCGTTTGTGATCGGCGCCCAATGTGCTCATGTGTTACAAAAGAGTCAT 642  
QY 421 GGAGAACGGCCCTTCCAGTGCATTCAGTGGGGCCCTCATTCACCCAGAGAGGCAACCTG 480  
DB 643 GGTGAACGGCCCTTCCAGTGCATTCAGTGGGGCCCTCATTCACCCAGAGAGGCAACCTC 702  
QY 481 CTCGGGACATCAAGTGCATTCGCGGGAGAGGCCCTTCAATGCCACCTCTGCAACTAC 540

DB 703 CTGCGGCACATCAAGCTGCACCTCGGTGAGAAGCCCTTCAATGCGCATCTTTGCAACTAT 762  
QY 541 GCGTGGCGGAGGAGAGCCCTCACTGCCACCTGAGGACGACCTCCGTTTGGTAAACCT 600  
DB 763 GCGTGGCGGAGGAGAGCCCTCACTGCCACCTGAGGACGACCTCCGTTTGGTAAACCT 822  
QY 601 CACAAATGTGGATATTGTGCGGAAAGCTATAAACAGCGAACCTCTTTAGAGAAACATAA 560  
DB 823 CACAAATGTGGATATTGTGCGGAAAGCTATAAACAGCGAACCTCTTTAGAGAAACATAA 882  
QY 661 GAGCGTGGCCACAACTACTTGGAAAGCATGGGCTTCCGGGACACACTGTACCCAGTCAT 720  
DB 883 GAGCGATGCCAACACTACTTGGAAAGCATGGGCTTCCGGGACACACTGTACCCAGTCAT 939  
QY 721 AAAGAAGAACTAAGCAGACAGTGAATGGCAGAGACCTGTGCAAGATAGGATCAGAGAGA 780  
DB 940 AAGGAAGAACTAAGCAGACAGTGAATGGCAGAGACCTGTGCAAGATAGGATCAGAGAGA 999  
QY 781 TCTCTGCTGCTGGACAGACTAGCAAGTAATGTGCGCAAAAGCTTAAGAGCTCTATGCCCTCAG 840  
DB 1000 TCCCTTGTCTGGACAGGCTGCGCAAGCAATGTGCGCAAAAGCTTAAGAGCTCTATGCCCTCAG 1059  
QY 841 AAATTTCTTGGGACAGGCGCTGCGGACACGCTTACGACAGTGCACAGTGCACAGTACGAGAAG 900  
DB 1060 AAATTTCTTGGGACAGGCTGCGGACACGCTTACGACAGTGCACAGTGCACAGTACGAGAAG 1119  
QY 901 GAGAAACGAAATGATGAAGTCCACAGTATGATGACCAAGCTCAACAGCGCATCAACTAC 960  
DB 1120 GAG--GATATGATGACATCCACAGTATGATGACCAAGCTCAACAGCGCATCAACTAC 1176  
QY 961 CTGGGGCGGAGTCCCTGCGGCGCTGCTGAGAGCGCCCGGCGGTTCGAGGTTGGTC 1020  
DB 1177 CTGGGGCGGAGTCCCTGCGGCGCTGCTGAGAGCGCCCGGCGGTTCGAGGTTGGTC 1236  
QY 1021 CCGGTCTATCAGCCGATGTACACAGCTGCACAGG---CGCTCGGAGGCGACCCCGCGCTCC 1077  
DB 1237 CCACTATCAGCTCCATGTACACAGCTGCACAGCGCCCGCTCAGATGCGCCCGCGCTCC 1296  
QY 1078 AACCACTCGGCGGAGGAGCGCGCTGAGTACCTGCTGCTGCTCCTCAAGGCGCAAGTTG 1137  
DB 1297 AACCACTCGGCGGAGGAGCGCGCTGAGTACCTGCTGCTGCTCCTCAAGGCGCAAGTTG 1353  
QY 1138 GTGCGCTCGGAGCGGAGCGCTGCCGAGCAACAGCTGCCAAGACTCCACGAGACACCGAG 1197  
DB 1354 GTGCTATCGGAGCGGAGGCGCTGCCGAGCAACAGCTGCCAAGACTCCACAGATACAGAG 1413  
QY 1198 AGCAACAAACGAGGAGCGAGCGGCTTATCTACCTTAACCAACCAATCAACCCCGCAT 1257  
DB 1414 AGCAACGCGGAGGAGCGAGCGGCTTATCTACCTTAACCAACCAATCAACCCCGCAT 1473  
QY 1258 GCGC---AACGGGTGCTCCTCAAGGAGGAGCGCGCTACGACCTGCTGCGCGCGCGCC 1314  
DB 1474 GCACGCAATGGGCTGGCTCCTCAAGGAGGAGGAGCGCGCTACGAGGTGCTGAGGCGCGCC 1533  
QY 1315 TCCGAGAACTCCAGAGCGCGCTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1374  
DB 1534 TCAGAGAACTCCAGAGTGCCTTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1593  
QY 1375 TACAAAGTGGAAACATGCGCGGCTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1434  
DB 1594 TACAAAGTGGAAACATGCGCGGCTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1653  
QY 1435 -----GGCTGCCAGGCTTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1485  
DB 1654 GCGTGCATGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1713  
QY 1486 AGCGAGGAGCGGTAGAGTTCGTCGCAACATTAACGCGAGGAGGAGCGGCTTCCACATG 1545  
DB 1714 AGCGAGGAGCGGTAGAGTTCGTCGCAACATTAACGCGAGGAGGAGCGGCTTCCACATG 1773  
QY 1546 AGCTAA 1551  
DB 1774 AGCTAA 1779



RESULT 8  
 US-08-283-300A-4  
 ; Sequence 4, Application US/08283300A  
 ; Patent No. 6172278  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Georgopoulos, Katia A.  
 ; TITLE OF INVENTION: IKAROS TRANSGENIC CELLS AND ANIMALS  
 ; NUMBER OF SEQUENCES: 26  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: LAHIVE & COCKFIELD  
 ; STREET: 60 STATE STREET, Suite 510  
 ; CITY: BOSTON  
 ; STATE: MASSACHUSETTS  
 ; COUNTRY: USA  
 ; ZIP: 02109  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Asclii (text)  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/283.300A  
 ; FILING DATE:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 08/238,212  
 ; FILING DATE: 02-MAY-94  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 08/121,438  
 ; FILING DATE: 14-SEP-1993  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/946,233  
 ; FILING DATE: 14-SEP-1992  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Myers, Paul L.  
 ; REGISTRATION NUMBER: 35,695  
 ; REFERENCE/DOCKET NUMBER: MGP-027  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (617)227-7400  
 ; TELEFAX: (617)227-5941  
 ; INFORMATION FOR SEQ ID NO: 4:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 2049 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: double  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: cDNA  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: 223..1776  
 US-08-283-300A-4

Query Match 75.7%; Score 1174.8; DB 4; Length 2049;  
 Best Local Similarity 87.2%; Pred. No. 9.5e-263;  
 Matches 1365; Conservative 0; Mismatches 177; Indels 24; Gaps 6;

QY 1 ATGGATCTGACGAGGCTCAAGACATGCTTCTCATCAGGGAAGAAAGCCCTGTGA 60  
 DB 223 ATGGATCTGATAGGCTCAAGACATGCTTCTCATCAGGGAAGAAAGCCCTGTGA 282  
 QY 61 AGCGATACTCCAGATGAGGGGATGAGCCATCCGATCCCGAGGACCTCTCCACCAC 120  
 DB 283 AGTGACACTCCAGATGAGGGGATGAGCCATCCGATCCCGAGGACCTCTCCACTAC 342  
 QY 121 TCGGGAGACAGCAAGCTCCAGAGTGACAGAGTCGTGGCCAGTAAATGTTAAAGTAGAG 180  
 DB 343 TCTGGACACAGCAAGCTCCAGAGTGATCGAGGATGCGGATGTTAAAGTAGAG 402  
 QY 181 ACTCAGAGTGATGAAGAATGGCGCTCTGTGAATGAATGGGGAAGAATGTGCGGAG 240  
 DB 403 ACTCAGAGTGATGAAGAATGGCGCTGTGAATGAATGGGGAAGAATGTGCGAGAG 462

QY 241 GATTTACGAATGCTTGATGCTCGGGAGAGAAAAATGAATGGCTCCACAGGAGCAAGGC 300  
 DB 463 GATTTACGAATGCTTGATGCTCGGGAGAGAAAAATGAATGGCTCCACAGGAGCAAGGC 522  
 QY 301 AGCTCGGCTTTGTCGGGAGTTGGAGGCATTGCACTTCTTAACGGAAAACTAAAGTGTGAT 360  
 DB 523 AGCTCGGCTTTGTCAGGAGTTGGAGGCATTGCACTTCTTAACGGAAAACTAAAGTGTGAT 582  
 QY 361 ATCTGTGGATCATTTGTCATCGGGCCCAATGTGCTCATGTGTTCAAAAAGAGCCACACT 420  
 DB 583 ATCTGTGGATCATTTGTCATCGGGCCCAATGTGCTCATGTGTTCAAAAAGAGTCATACT 642  
 QY 421 GGAGAACGGCCCTTCCAGTGAATCACTGCGGGGCCCTCATTCACCCAGAGGGCAACCTG 480  
 DB 643 GGTGAACGGCCCTTCCAGTGAATCACTGCGGGGCCCTCATTCACCCAGAGGGCAACCTG 702  
 QY 481 CTCGGGCACATCAAGCTGCATTCCGGGGAGAGCCCTTCAAAATGCCACCTCTGCAACTAC 540  
 DB 703 CTGGGCACATCAAGCTGCATTCCGGGGAGAGCCCTTCAAAATGCCACCTCTTGGCAACTAT 762  
 QY 541 GCCTGGCCCGGAGGAGGCCCTCACTGGCCACCTGAGGAGCAGCTCCGTGGTAAACCT 600  
 DB 763 GCCTGGCCCGGAGGAGGCCCTCACTGGCCACCTGAGGAGCAGCTCCGTGGTAAACCT 822  
 QY 601 CACAAATGTGATATTGTGCGCGAAGCTATAAAGCAGGAAAGCTTTAGAGGACATATAA 660  
 DB 823 CACAAATGTGATATTGTGCGCGAAGCTATAAAGCAGGAAAGCTTTAGAGGAGCATATAA 882  
 QY 661 GAGCGCTGCCAACAATCTTTGGAAGCATGGGCTTCCGGGCACACTGTACCCAGTCAAT 720  
 DB 883 GAGCGATGCCAACAATCTTTGGAAGCATGGGCTTCCGGGCACACTGTATGCGCTCAG 939  
 QY 721 AAAGAAGAACTAAGCACAGTGAATGGGAGAGACCTGTGCAAGATAGGATCAGAGAGA 780  
 DB 940 AAGGAAGAACTAAGCACAGTGAATGGGAGAGACCTGTGCAAGATAGGATCAGAGAGA 999  
 QY 781 TCTCTGCTGCTGGACAGCTAGCAAGTAATGTGCGCAAAAGTAAAGAGCTCTATGCGCTCAG 840  
 DB 1000 TCCTTCTGCTGGACAGCTAGCAAGTAATGTGCGCAAAAGTAAAGAGCTCTATGCGCTCAG 1059  
 QY 841 AAATTTCTGGGACAGAGGCGCTGTCGACACGCGCTTACGACAGTCCACGCTACGAGAG 900  
 DB 1060 AAATTTCTGGAGCAAGTGCCTGTGACAGATGCGCTTATGACAGTGCCTCACTATGAGAAG 1119  
 QY 901 GAGAAGCAATGATGAAGTCCACAGTGAAGGACCAAGCCATCAACAGCCCATCAACTAC 960  
 DB 1120 GAG---GATATGATGACATCCACAGTGAAGGACCAAGCCATCAACAGCCCATCAACTAC 1176  
 QY 961 CTGGGGCGGAGTCCCTGCGCCCGCTGGTGCAGACGCGCGCGGCGGTTCGAGGTGGTC 1020  
 DB 1177 CTGGGGCGTGAATCCCTGCGCCCGCTGGTGCAGACACCGCGGTTCGAGGTGGTC 1236  
 QY 1021 CGGTCATCAGCCCGATGTACAGTGCACAGG---CGTCCGAGGAGGACACCGCGGTCC 1077  
 DB 1237 CCAGTTCAGCTCCATGTACAGTGCACAGGCGCGCTTACAGTGGCGCGCGCGGTCC 1296  
 QY 1078 AACCACTCGCGCCAGGACAGCGCGCTGGAGTACCTGCTGCTCTCCAAAGGCGCAAGTTG 1137  
 DB 1297 AACCACTCAGCAGGA---CGCGCTGGTAATCTGCTGCTCTCCAAAGGCGCAAGTTCT 1353  
 QY 1138 GTGCGCTCGAGGCGGAGCGCTCCCGAGCAACAGCTGCCAAGACTCCACGAGACCCAG 1197  
 DB 1354 GTGTATCGAGGAGAGAGCGCTCCCGAGCAACAGCTGCCAAGACTCCACAGATACAGAG 1413  
 QY 1198 AGCAACAAGGAGGAGCGGCGAGCGCTTATCTACCTGACCAACCAATCCCGCGAGCG 1257  
 DB 1414 AGCAAGCGGAGGAGAGCGGCGCTTATCTACCTTAAACCAACCAATCAACCGCAT 1473  
 QY 1258 GCGC---AACCGCTGCTCGCTCAAGGAGGAGCAGCGCGCTACGAGCTCTCGGCGCGCC 1314  
 DB 1474 GCACGCAATGGCTGCTCTCAAGGAGGAGCAGCGCGCTACGAGGCTCTGAGGCGCGCC 1533







Db 295 AAATTTCTGGGACAGGCGCTGTCGACACGCCCTACACAGTGCACGTACGAGAG 354  
QY 901 GAGAGAAATGATGAAGTCCACAGTGTGACCAAGCCATCAACAGCCATCAACTAC 960  
Db 355 GAGACGAATGATGAAGTCCACAGTGTGACCAAGCCATCAACAGCCATCAACTAC 414  
QY 961 CTGGGGCCGAGTCCCTGCGCCCGCTGGTGCAGACGCCGCCCGCGGTTCCGAGGTGTC 1020  
Db 415 CTGGGGCCGAGTCCCTGCGCCCGCTGGTGCAGACGCCGCCCGCGGTTCCGAGGTGTC 474  
QY 1021 CCGGTATACAGCCCGAGTGTACAGTGTGACAGCGCTCGAGAGGCCGCCCGCTCCAAC 1080  
Db 475 CCGGTATACAGCCCGAGTGTACAGTGTGACAGCGCTCGAGAGGCCGCCCGCTCCAAC 534  
QY 1081 CACTCGCCCGAGGACAGCGCGCTGGAGTACCTGCTGCTCTCCAAAGGCCAAAGTTGGTG 1140  
Db 535 CACTCGCCCGAGGACAGCGCGCTGGAGTACCTGCTGCTCTCCAAAGGCCAAAGTTGGTG 594  
QY 1141 CCTCGAGCGCGAGGCTCCCGAGCAACAGTGTGCAAGACTCCAGGACCGAGAGC 1200  
Db 595 CCTCGAGCGCGAGGCTCCCGAGCAACAGTGTGCAAGACTCCAGGACCGAGAGC 654  
QY 1201 AACACGAGGAGGACGCGCGCTTATCTACCTGACCAACACATCGCCGACGCGG 1260  
Db 655 AACACGAGGAGGACGCGCGCTTATCTACCTGACCAACACATCGCCGACGCGG 714  
QY 1261 CAACGGTGTGCTCAAGGAGGACCGCGCTACGACCTGTCGCGCGCGCTCCGAG 1320  
Db 715 CAACGGTGTGCTCAAGGAGGACCGCGCTACGACCTGTCGCGCGCGCTCCGAG 774  
QY 1321 AACTCGAGGACGCGCTCCCGTGGTGCAGCAGGCGGAGGAGATGAAGTGTACAAG 1380  
Db 775 AACTCGAGGACGCGCTCCCGTGGTGCAGCAGGCGGAGGAGATGAAGTGTACAAG 834  
QY 1381 TCGGAACACTGCGGGTGTCTTCTCTGGATCAGTGTATACCATCCATCCATGGCTGC 1440  
Db 835 TCGGAACACTGCGGGTGTCTTCTCTGGATCAGTGTATACCATCCATCCATGGCTGC 894  
QY 1441 CAGGGTTCGGTGTATCTTTGAGTGCAACATGTGGGTTACACAGCGAGGACCGGTAC 1500  
Db 895 CAGGGTTCGGTGTATCTTTGAGTGCAACATGTGGGTTACACAGCGAGGACCGGTAC 954  
QY 1501 GAGTTCCTGTCGCACATAACGAGGAGGAGCAGCGCTTCCACATGAGCTA 1550  
Db 955 GAGTTCCTGTCGCACATAACGAGGAGGAGCAGCGCTTCCACATGAGCTA 1004

## RESULT 12

US-08-283-300A-7  
; Sequence 7, Application US/08283300A  
; Patent No. 6172278  
; GENERAL INFORMATION:  
; APPLICANT: Georgopoulos, Katia A.  
; TITLE OF INVENTION: IKAROS TRANSGENIC CELLS AND ANIMALS  
; NUMBER OF SEQUENCES: 26  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD  
; STREET: 60 STATE STREET, Suite 510  
; CITY: BOSTON  
; STATE: MASSACHUSETTS  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Ascii (text)  
; CURRENT APPLICATION DATA:  
; FILING DATE: US/08/283.300A  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/238,212

; FILING DATE: 02-MAY-94  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/121,438  
; FILING DATE: 14-SEP-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/946,233  
; FILING DATE: 14-SEP-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Myers, Paul L.  
; REGISTRATION NUMBER: 35,695  
; REFERENCE/DOCKET NUMBER: MGP-027  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617)227-7400  
; TELEFAX: (617)227-5941  
; INFORMATION FOR SEQ ID NO: 7:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1004 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 1..1004  
; US-08-283-300A-7  
  
Query Match 56.0%; Score 868; DB 4; Length 1004;  
Best Local Similarity 88.8%; Pred. No. 6.3e-192;  
Matches 1004; Conservative 0; Mismatches 0; Indels 126; Gaps 1;  
  
QY 421 GGAGAACGGCCCTTCAGTGCATTCAGTGGGGCCCTCATTCACCCAGAGGCAACCTG 480  
Db 1 GGAGAACGGCCCTTCAGTGCATTCAGTGGGGCCCTCATTCACCCAGAGGCAACCTG 60  
QY 481 CTCGGCACATCAAGCTGCATTCGGGGAGAGCCCTTCAATGCCACCTCTGCACTAC 540  
Db 61 CTCGGCACATCAAGCTGCATTCGGGGAGAGCCCTTCAATGCCACCTCTGCACTAC 120  
QY 541 GCCTGCGCGGGAGGAGCGCCCTCACTGGCCACCTGAGGACGACCTCCCTTGGTAAACCT 600  
Db 121 GCCTGCGCGGGAGGAGCGCCCTCACTGGCCACCTGAGGAGCGACATCC ----- 168  
QY 601 CACAAATGTGGATATTTGTGCCCCGAAAGCTATAAAGAGGAACGCTTTAGAGGAACATAA 660  
Db 169 ----- 168  
QY 661 GAGCGCTGCCACAACCTACTTGGAAAGCATGGGCGCTTCCGGGCGACACTGTACCCAGTCAAT 720  
Db 169 -----GTCAAT 174  
QY 721 AAGAAGAAACTAAGCACAGTGAATGGCAGAGACCTGTGCAAGATAGGATCAGAGAGA 780  
Db 175 AAGAAGAAACTAAGCACAGTGAATGGCAGAGACCTGTGCAAGATAGGATCAGAGAGA 234  
QY 781 TCTCTGCTGCTGCACAGACTAGCAAGTAATGTGCCAAACCTAAGAGCTCTATGCCTCAG 840  
Db 235 TCTCTGCTGCTGCACAGACTAGCAAGTAATGTGCCAAACCTAAGAGCTCTATGCCTCAG 294  
QY 841 AAATTTCTTTGGGACAAAGGCGCTGTCGACACGCGCTACGACAGTGCACGTACGAGAGAG 900  
Db 295 AAATTTCTTTGGGACAAAGGCGCTGTCGACACGCGCTACGACAGTGCACGTACGAGAGAG 354  
QY 901 GAGACGAATGATGAAGTCCACAGTGTGACCAAGCCATCAACAGCCATCAACTAC 960  
Db 355 GAGACGAATGATGAAGTCCACAGTGTGACCAAGCCATCAACAGCCATCAACTAC 414  
QY 961 CTGGGGCCGAGTCCCTGCGCCCGCTGGTGCAGACGCCGCCCGCGGTTCCGAGGTGTC 1020  
Db 415 CTGGGGCCGAGTCCCTGCGCCCGCTGGTGCAGACGCCGCCCGCGGTTCCGAGGTGTC 474  
QY 1021 CCGGTATACAGCCCGAGTGTACAGTGTGACAGCGCTCGAGAGGCCGCCCGCTCCAAC 1080

Db 475 CCGGTATCATAGCCCGCTATACAGCTGCACAGGCGCTCGGAGGCGACCCCGCTCCAAAC 534  
Qy 1081 CACTCGGCCCCAGGACAGCGCGCTGAGTACCTGCTGCTCTCAAGGCCAAGTTGGTG 1140  
Db 535 CACTCGGCCCCAGGACAGCGCGCTGAGTACCTGCTGCTCTCAAGGCCAAGTTGGTG 594  
Qy 1141 CCCTCGGAGCGGAGCGCTGCCCGAGCAACAGCTGCCAAGACTCCACGACACACCGAGAGC 1200  
Db 595 CCCTCGGAGCGGAGCGCTGCCCGAGCAACAGCTGCCAAGACTCCACGACACACCGAGAGC 654  
Qy 1201 AACACGAGGAGCAGCGAGCGCTTATCTACCTGACCAACACCATCCCGCGAGCGCG 1260  
Db 655 AACACGAGGAGCAGCGAGCGCTTATCTACCTGACCAACACCATCCCGCGAGCGCG 714  
Qy 1261 CAAACGCTGCTCAAGGAGGAGCAGCGCGCTTATCTACCTGACCAACACCATCCCGCGAGCGCG 1320  
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Qy 1321 AACTCGCAGGAGCGCTCCGCGTGTCTAGCAGCAGCGGAGCAGATGAAGGTGTACAAG 1380  
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Qy 1381 TCGCAACACTGCCGGGTGCTCTTCCTGGATCAGCTCATGTACACCATCCACATGGGCTGC 1440  
Db 835 TCGCAACACTGCCGGGTGCTCTTCCTGGATCAGCTCATGTACACCATCCACATGGGCTGC 894  
Qy 1441 CAGCGCTTCCGTGATCCTTTGAGTGCACACATGTGGGCTACACAGCAGGACCGGTAC 1500  
Db 895 CAGCGCTTCCGTGATCCTTTTGGTGCACACATGTGGGCTACACAGCAGGACCGGTAC 954  
Qy 1501 GAGTCTCGTGCACATACCGCGAGGAGGAGCAGCGCTTCCACATGAGCTA 1550  
Db 955 GAGTCTCGTGCACATACCGCGAGGAGGAGCAGCGCTTCCACATGAGCTA 1004

RESULT 13

US-08-711-417C-8  
; Sequence 8, Application US/08711417C  
; Patent No. 6228611  
GENERAL INFORMATION:  
; APPLICANT: Georgopoulos, Katia A.  
; TITLE OF INVENTION: IKAROS: A T CELL PATHWAY REGULATORY GENE  
; NUMBER OF SEQUENCES: 202  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows 95  
; SOFTWARE: FastSeq for Windows Version 2.0b  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/711,417C  
; FILING DATE: 05-Sep-1996  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/238,212  
; FILING DATE: 02-MAY-1994  
; APPLICATION NUMBER: 08/121,438  
; FILING DATE: 14-SEP-1993  
; APPLICATION NUMBER: 07/946,233  
; FILING DATE: 14-SEP-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Myers, Louis P.  
; REGISTRATION NUMBER: 35,965  
; REFERENCE/DOCKET NUMBER: 10287/007001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617/542-5070  
; TELEFAX: 617/542-8906  
; TELEX: 200154

; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1004 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; FEATURE:  
; NAME/KEY: Coding Sequence  
; LOCATION: 1...1002  
; SEQUENCE DESCRIPTION: SEQ ID NO: 8:  
US-08-711-417C-8  
  
Query Match 56.0%; Score 868; DB 4: Length 1004;  
Best Local Similarity 88.8%; Pred. No. 6.3e-192;  
Matches 1004; Conservative 0; Mismatches 0; Indels 126; Gaps 1;  
  
Qy 421 GGAGAACGGCCCTTCCAGTGCATTCAGTGGGGGCTCATTCACCCAGAGGGCAACCTG 480  
Db 1 GGAGAACGGCCCTTCCAGTGCATTCAGTGGGGGCTCATTCACCCAGAGGGCAACCTG 60  
Qy 481 CTCGGGCACATCAAGCTGATTCGGGGAGAGCCCTTCAATGCCACCTCTGCAACTAC 540  
Db 61 CTCGGGCACATCAAGCTGATTCGGGGAGAGCCCTTCAATGCCACCTCTGCAACTAC 120  
Qy 541 GCCTGCCCGCGGAGGAGCGCCCTCACTGGCCACCTGAGGACGCACTCCGTTGGTAAACCT 600  
Db 121 GCCTGCCCGCGGAGGAGCGCCCTCACTGGCCACCTGAGGACGCACTCC----- 168  
Qy 601 CACAAATGTGATATTGTGGCGGAAGCTATAAACAAGCGAAAGCTTTTAGAGGAAACATAA 660  
Db 169 ----- 168  
Qy 661 GAGCGCTGCCACCACTACTTGGAAAGCATGGGCCCTTCGGGGCACACTGTACCCAGTCATT 720  
Db 169 -----GTCAAT 174  
Qy 721 AAAGAAGAAACTAAGCACAGTGAATGGCAGAAAGACCTGTGCAAGATAGGATCAGAGAGA 780  
Db 175 AAAGAAGAAACTAAGCACAGTGAATGGCAGAAAGACCTGTGCAAGATAGGATCAGAGAGA 234  
Qy 781 TCTCTCGTGTGGACAGACTAGCAAGTAATGTCCGCAACAGTGAAGAGCTCTATGCTCTAG 840  
Db 235 TCTCTCGTGTGGACAGACTAGCAAGTAATGTCCGCAACAGTGAAGAGCTCTATGCTCTAG 294  
Qy 841 AAATTTCTTGGGACAAAGGGCTGTCCGACACGCGCTACGACAGTGCACAGTACGAGAAG 900  
Db 295 AAATTTCTTGGGACAAAGGGCTGTCCGACACGCGCTACGACAGTGCACAGTACGAGAAG 354  
Qy 901 GAGAACGAAATGATGAAGTCCCACTGATGGACCAAGCCATCAACAACGCCATCAACTAC 960  
Db 355 GAGAACGAAATGATGAAGTCCCACTGATGGACCAAGCCATCAACAACGCCATCAACTAC 414  
Qy 961 CTGGGGGCGAGTCCCTCGGCGCGCTGGTGAGAGCGCCCGGGGGGTTCAGAGTGGTC 1020  
Db 415 CTGGGGGCGAGTCCCTCGGCGCGCTGGTGAGAGCGCCCGGGGGGTTCAGAGTGGTC 474  
Qy 1021 CCGGTTCATCAGCCCGATGTACAGCTGCACAGCGCTCGGAGGCGACCCCGGCTCCAAAC 1080  
Db 475 CCGGTTCATCAGCCCGATGTACAGCTGCACAGCGCTCGGAGGCGACCCCGGCTCCAAAC 534  
Qy 1081 CACTCGGCCCCAGGACAGCGCGCTGGAGTACCTGTGCTCTCAAGGCCAAGTTGGTG 1140  
Db 535 CACTCGGCCCCAGGACAGCGCGCTGGAGTACCTGTGCTCTCAAGGCCAAGTTGGTG 594  
Qy 1141 CCCTCGGAGCGGAGCGCTCCCGGAGCAGCTGCCAAGACTCCACGACACACCGAGAGC 1200  
Db 595 CCCTCGGAGCGGAGCGCTCCCGGAGCAGCTGCCAAGACTCCACGACACACCGAGAGC 654  
Qy 1201 AACACGAGGAGCAGCGAGCGGTCTTATCTACCTGACCAACACCATCCCGCGAGCGCG 1260  
Db 655 AACACGAGGAGCAGCGAGCGGTCTTATCTACCTGACCAACACCATCCCGCGAGCGCG 714







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Search completed: August 28, 2002, 09:03:45  
Job time: 6945 sec

